

Notice of Allowability

Application No.

10/022,208

Examiner

Thuan N. Du

Applicant(s)

OH, JANG GEUN

Art Unit

2116

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on December 19, 2005 and telephone interviewed on January 25, 2006.

2. ☒ The allowed claim(s) is/are 1-21 and 23-26 (renumbered as 1-25).

3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☒ All b) ☐ Some* c) ☐ None of the:

1. ☒ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 20060127.

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Carl R. Wesolowski, Reg. No. 40,372 on January 25, 2006.

2. The application has been amended as follows:

In the claim: Please amend claims 8 and 21 as follow:

8. A computer, comprising:
 - a CPU that processes;
 - a first controller coupled to the CPU via a data bus, and configured to provide a throttled clock to the data bus according to a throttle rate;
 - a clock generator coupled to the CPU and the first controller, and configured to generate a clock for the CPU and the first controller;
 - a detector detecting a variable, wherein the variable is a remaining battery capacity or a load of the CPU; and
 - a second controller coupled to receive the detected variable, configured to determine the throttle rate according to the detected variable, and further configured to output the throttle rate to the first controller, wherein the throttled clock is configured to selectively have a different independent value than the clock supplied to the first controller and the clock supplied to the second controller.

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21. A bus clock controlling method in a computer, comprising
setting a throttle rate of a clock to a predetermined initial value, the clock
configured to set a speed of a data bus to which both a controlling device and a peripheral
device are connected;
detecting one member chosen from a present load of the CPU and a
remaining battery capacity; and
adjusting the set throttle rate by the controlling device in reverse relation to the
detected one of the present CPU load and the remaining battery capacity, wherein the set
throttle rate is adjusted when the controlling device is providing the clock to the data bus
between the controlling device and the peripheral device.

Conclusion

3. Any inquiry concerning this communication or earlier communications from the
examiner should be directed to Thuan N. Du whose telephone number is (571) 272-3673. The
examiner can normally be reached on Monday-Friday: 9:30 AM - 6:00 PM, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's
supervisor, Lynne H. Browne can be reached on (571) 272-3670.

Central TC telephone number is (571) 272-2100.

The fax number for the organization is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent
Application Information Retrieval (PAIR) system. Status information for published applications
may be obtained from either Private PAIR or Public PAIR. Status information for unpublished
applications is available through Private PAIR only. For more information about the PAIR

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system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll free).

Thuan N. Du
January 27, 2006

A handwritten signature in black ink, appearing to read 'Thuan N. Du', with a stylized, flowing script.

THUAN N. DU
PRIMARY EXAMINER